Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

SOUTHWEST REGIONAL OFFICE
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Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director
(804) 698-4000

Jeffrey Hurst
Regional Director

July 29, 2019

Mr. Timothy Wallace
Environmental Compliance Manager
Dickenson-Russell Contura, LLC
5703 Crutchfield Drive
Norton, VA 24273-3902

Location: Dickenson County, Virginia
Registration No. 10804

Dear Mr. Wallace:

Attached is a significant modification to the September 15, 2015 Title V permit to operate the McClure River Preparation Plant pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution. This modified permit reflects changes pursuant to 9 VAC 5-80-230. This permit document replaces the permit document issued on September 15, 2015, however, the expiration date remains unchanged.

In the course of evaluating the application and arriving at a final decision for approval, the Department of Environmental Quality (DEQ) deemed the application complete on November 27, 2018, and solicited written public comments by placing a newspaper advertisement in the Dickenson Star on May 8, 2019. The thirty-day required comment period, provided for in 9VAC5-80-270, expired on June 10, 2019.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all conditions carefully.

This permit modification approval does not relieve Dickenson-Russell Contura, LLC of the responsibility to comply with all other local, state, and federal permit regulations.

To review any federal rules referenced in me attached permit, the US Government Publishing Office maintains the text of these rules at www.ecfr.gov, Title 40, Parts 60, 63 and 70.

The Boards Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days alter this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

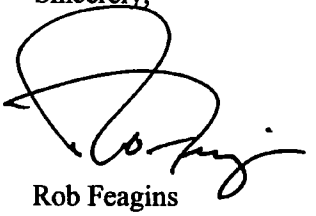
As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact Tom Derting at (276) 676-4831.

Sincerely,



Rob Feagins
Air Permit Manager

GRF/TMD/10804/10804VA_SigMod_Fnl-19

Attachment: Permit

Cc: Director OAPP (electronic file submission)
Director, Office of Permits and Air Toxics (3AD10), US EPA, Region III
(electronic file submission)

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Federal Operating Permit

Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Dickenson-Russell Contura, LLC
Facility Name:	McClure River Preparation Plant
Facility Location:	2079 Herndon Road, McClure, Virginia
DEQ Registration No:	10804
Permit Number:	SWRO10804
Effective Date	September 15, 2015
Modification Date:	July 29, 2019
Expiration Date:	September 14, 2020

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Pages 1 through 44)

Jeffrey Hurst, Regional Director

Attachments: Table of Contents, 1 page
Permit Conditions, 36 pages

Dickenson-Russell Contura, LLC

Federal Operating Permit Table of Contents

I. Facility Information

Permittee:

Dickenson-Russell Contura, LLC
P.O. Box 65
Norton, VA 24273

Responsible Official:

Mr. Timothy Wallace
Environmental Compliance Manager - Senior

Facility:

McClure River Preparation Plant
2079 Herndon Road
McClure, Virginia 24269

Contact Person:

Mr. Timothy Wallace
Environmental Compliance Manager - Senior
(276) 679-7037

County-Plant Identification Number: 051-00019

Facility Description: NAICS 212112 - Bituminous Coal Underground Mining (Cleaning Plants)
SIC 1222 - Bituminous Coal & Lignite, Underground Mining (Cleaning Plants)

The facility cleans and dries coal prior to shipment by railcar and truck. The facility utilizes a thermal dryer to dry the cleaned coal. The wet preparation plant includes froth flotation and vacuum filtration.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size / Rated Capacity *	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
1	---	Mine Raw Coal Belt	1500 TPH	Wet suppression or equivalent	---	PM	---
2	---	Mid-Vol Breaker	800 TPH	Wet suppression or equivalent	---	PM	---
2A	---	Rotary Breaker	1500 TPH	Wet suppression or equivalent	---	PM	---
2D	---	Mine Rock Bin	200 TPH	Wet suppression or equivalent	---	PM	---
2E	---	Sample Belt	25 TPH	Wet suppression or equivalent	---	PM	---
2F	---	Conveyor belt	200 TPH	Wet suppression or equivalent	---	PM	12/04/2017 (as amended 01/23/2019)
2G	---	Fabricated coal storage bin	200 TPH	Wet suppression or equivalent	---	PM	
3	---	Mine Raw Transfer Belt	2300 TPH	Wet suppression or equivalent	---	PM	---
4	---	Shakeout/Truck Dump	1500 TPH	Wet suppression or equivalent	---	PM	---
5	---	Foreign Belt	1500 TPH	Wet suppression or equivalent	---	PM	---
6	---	Foreign Breaker Building	1500 TPH	Wet suppression or equivalent	---	PM	---
6A	---	Foreign Rock Chute	200 TPH	Wet suppression or equivalent	---	PM	---
6B	---	Foreign Rock Bin	200 TPH	Wet suppression or equivalent	---	PM	---
7	---	Foreign Raw Belt	1500 TPH	Wet suppression or equivalent	---	PM	---
8	---	Plant Feed Belt	1400 TPH	Wet suppression or equivalent	---	PM	---
10	---	Preparation Building	1400 TPH	Wet suppression or equivalent	---	PM	-----
11	---	Silo 1 Feed (Midds Storage) Belt	400 TPH	Wet suppression or equivalent	---	PM	-----
12	---	Dryer Fed Belt	800 TPH	Wet suppression or equivalent	---	PM	-----
13	13-1	Thermal Dryer - ENI Coal #10	411.3 TPH	Cyclone Wet Scrubber Mist Eliminator	13-1 13-2 13-3	PM, SO_2	04/02/1984

Emission Unit ID	Stack ID	Emission Unit Description	Size / Rated Capacity *	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
13A	13-1	Thermal Dryer - Coal	130 MMBtu/hr	Cyclone Wet Scrubber Mist Eliminator	13-1 13-2 13-3	PM, SO_2	04/02/1984
13B	13-1	Thermal Dryer - Oil/Elect.	12 MMBtu/hr				
14	---	Refuse Belt 1	800 TPH	Wet suppression or equivalent	---	PM	-----
16	---	Refuse Belt 2	800 TPH	Wet suppression or equivalent	---	PM	-----
16A	---	Refuse conveyor	800 TPH	Wet suppression or equivalent	---	PM	12/04/2017 (as amended 01/23/2019)
16B	---	Refuse Bin	800 TPH	Wet suppression or equivalent	---	PM	-----
17	---	Silo 2 Feed Belt	800 TPH	Wet suppression or equivalent	---	PM	-----
18	---	Silo 1	800 TPH	Wet suppression or equivalent	---	PM	-----
19	---	Silo 2	800 TPH	Wet suppression or equivalent	---	PM	-----
20	---	Foreign Clean Belt In (Chute)	800 TPH	Wet suppression or equivalent	---	PM	-----
22	---	Loadout Belt	1200 TPH	Wet suppression or equivalent	---	PM	-----
23	---	Loadout	1200 TPH	Wet suppression or equivalent	---	PM	-----
24	---	Dryer Bypass Chute	800 TPH	Wet suppression or equivalent	---	PM	-----
25	---	Truck dump bin	800 TPH	Wet suppression or equivalent	---	PM	12/04/2017 (as amended 01/23/2019)
26	---	48" conveyor	800 TPH	Wet suppression or equivalent	---	PM	
27	---	Roads	---	Wet suppression	---	PM	-----
28	---	Mine Clean Belt	800 TPH	Wet suppression or equivalent	---	PM	-----
28A	---	Top of Silo Transfer Belt	800 TPH	Wet suppression or equivalent	---	PM	-----
28B	---	Clean Coal Transfer Belt	800 TPH	Wet suppression or equivalent	---	PM	-----
29	---	Midds Collection Belt	400 TPH	Wet suppression or equivalent	----	PM	-----
48	---	Raw Storage Pile	3800 TPH	Wet suppression	---	PM	-----
49	---	Clean Storage Pile	3800 TPH	Wet suppression	---	PM	-----
50	---	Refuse Pile	800 TPH	Wet suppression	---	PM	-----

Emission Unit ID	Stack ID	Emission Unit Description	Size / Rated Capacity *	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
51	---	Middlings coal conveyor	300 TPH	Wet suppression or equivalent	---	PM	12/04/2017 (as amended 01/23/2019)
52	---	Middlings coal truck dump bin	300 TPH	Wet suppression or equivalent	---	PM	
SB1	---	Reedy Ridge 36-inch stacker conveyor	500 TPH	Wet suppression or full enclosure	---	PM	
SP1	---	Reedy Ridge Raw Coal Storage Pile	500 TPH	Wet suppression	---	PM	
RRMINE	RRMine	Reedy Ridge mine ventilation system	---	---	---	---	
MB1	---	Reedy Ridge 36" Stacker Belt	500 TPH	Wet suppression	---	PM	
FC-TS01, FC-TS02, FC-TS03	---	(3) Banks of Multotec SX-7 triple-start spirals	45 TPH (clean coal)	Wet process	---	PM	
FC-SC01, FC-SC02	---	(2) Eriez 12' diameter Stack Flotation Cells	33.7 TPH (clean coal)	Wet process	---	PM	
Misc	---	Miscellaneous (wet) coal processing equipment	---	Wet suppression	---	PM	04/02/1984
RICE-2	---	Emergency SI RICE Office Mine Tracking Backup LPG	165 HP	---	---	----	----
RICE-3	---	Emergency SI RICE Hoist Backup,LPG-fired	183 HP	---	---	----	----
EG	---	Predator #63083 gasoline-powered emergency engine-generator set	13 HP	---	---	---	12/04/2017 (as amended 01/23/2019)

Emission Unit ID	Stack ID	Emission Unit Description	Size / Rated Capacity *	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Equipment located at Deep Mine 41 (Registration No. 11690)							
DMTB-1, DMTB-2, DMTB-3. DMTB-4, DMTB-6	---	(5) 42" Conveyors	1,800 TPH	Partial enclosure with wet suppression or wet material	---	PM	10/11/2018
DMTB-5	---	43" Conveyor	1,500 TPH	Partial enclosure with wet suppression or wet material	---	PM	10/11/2018
DMSCR-1	---	Tabor 8' x 20' Vibrating Screen	1,800 TPH	Partial enclosure with wet suppression or wet material	---	PM	10/11/2018
DMDB1	---	Mine rock dust bin (silo)	4 TPH	Full enclosure	---	PM	10/11/2018
DMINE	DMine	Deep Mine 41 mine ventilation system	---	---	---	PM	10/11/2018

* The size / rated capacity is provided for informational purposes only, and is not an applicable requirement. Note that the pollutant "PM" refers to total particulate, PM-10, and PM-2.5.

III. Thermal Dryer Requirements - Unit #13

1. **Thermal Dryer Requirements - (Unit 13) - Limitations** - Particulate emissions from the thermal coal dryer shall be controlled by four Research-Cottrell, Inc., Flex-Kleen, Model Quad 82 cyclones, one American Air Filter, Type S Kinpactor (wet scrubber) and a mist eliminator. The cyclones and scrubber shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 7 of the 4/02/1984 PSD permit)

2. **Thermal Dryer Requirements - (Unit 13) - Limitations** - The approved fuel for the thermal coal dryer shall be coal. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 9 of the 4/02/1984 PSD permit)

3. **Thermal Dryer Requirements - (Unit 13) - Limitations** - Hours of operation shall not exceed 240 days per year and 5760 hours per year. Annual hours of operation shall be determined on a consecutive 12-month basis.
(9 VAC 5-80-110 and Conditions 4 of the 4/02/1984 PSD permit)

4. **Thermal Dryer Requirements - (Unit 13) - Limitations** - Action must be taken by Dickenson-Russell Contura, LLC to continuously ensure that the general public is completely and effectively prohibited from those property locations on which the maximum concentrations of sulfur dioxide and particulate matter exceed the allowable PSD increment for those pollutants. Those measures specified in Pittston's letters dated April 11, 1979 and June 15, 1979, along with any other physical constraints (measures) are required, so that the required plant locations are made physically inaccessible to the public. The April 11, 1979, and June 15, 1979, letters from The Pittston Company Coal Group to the U.S. Environmental Protection Agency Region III are hereby incorporated by reference into this permit.
(9 VAC 5-80-110 and Condition 14 of the 4/02/1984 PSD permit)

5. **Thermal Dryer Requirements - (Unit 13) - Limitations** - Visible emissions from the thermal dryer shall not exceed twenty percent (20%) opacity.
(9 VAC 5-80-110, 9 VAC 5-50-410 Subpart Y, 40 CFR 60.252, and 12 of the 4/02/1984 PSD permit)

6. **Thermal Dryer Requirements - (Unit 13) - Limitations** - Emissions from the operation of the thermal dryer shall not exceed the limits specified below:

Particulate Matter	0.031 gr/dscf	18 lbs/hr	52.1 tons/yr
Sulfur Dioxide		44.5 lbs/hr	128.1 tons/yr
Nitrogen Dioxide		67.5 lbs/hr	194.4 tons/yr

Annual emissions shall be determined on a consecutive 12-month basis.
(9 VAC 5-80-110, 40 CFR 60.252 and Specific Condition 6 of April 2, 1984 PSD permit)

7. **Thermal Dryer Requirements - (Unit 13) - Monitoring** - The permittee shall install, calibrate, maintain and continuously operate the following:

   a. A monitoring device for the continuous measurement of the temperature of the gas at the exit of the thermal dryer. The monitoring device is to be certified by the manufacturer or authorized representative to be accurate within ± 3° Fahrenheit.

b. A monitoring device for the continuous measurement of the pressure loss through the venturi constriction of the control equipment. The monitoring device is to be certified by the manufacturer or authorized representative to be accurate within ± 1 inch water gage.

c. A monitoring device for the continuous measurement of the water supply pressure to the control equipment. The monitoring device is to be certified by the manufacturer or authorized representative to be accurate within ± 5% of design water supply pressure. The pressure sensor or tap must be located close to the water discharge point.

The monitoring devices listed in a, b, and c are to be recalibrated annually in accordance with procedures under §60.13(b).
(9 VAC 5-80-110, 9 VAC 5-50-410 Subpart Y, 40 CFR 60.253, and Conditions 5 and 11 of the 4/02/1984 PSD permit)

8. **Thermal Dryer Requirements - (Unit 13) - Monitoring** - Cyclones and Mist Eliminator: An annual internal inspection shall be conducted on the cyclones and the mist eliminator by the permittee to ensure structural integrity.
(9 VAC 5-80-110)

9. **Thermal Dryer Requirements - (Unit 13) - Monitoring** - The permittee shall visually observe the thermal dryer exhaust at least once each consecutive 14-day period to determine if the unit has any visible emissions (does not include condensed water vapor/steam). If the thermal dryer is not in operation at the time of the observation the record made shall so indicate. If visible emissions are observed during these required observations, then a visible emissions evaluation (VEE) in accordance with 40 CFR 60 Appendix A, Method 9, shall be conducted. The VEE shall be conducted for a minimum of six (6) minutes. If any of the observations exceed twenty percent (20%) opacity, the VEE shall be conducted for a total of sixty (60) minutes. A Method 9 evaluation shall not be required if the visible emissions condition is corrected as expeditiously as possible such that no visible emissions exist; the emissions unit is operating at normal conditions; and the cause and corrective measures taken are recorded. The record of each visible emission observation shall be maintained, including any data required by 40 CFR 60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable emissions requirement, the results of the observation and the name of the observer.
(9 VAC 5-80-110 K)

10. **Thermal Dryer Requirements - (Unit 13) - Monitoring** - The particulate matter collection efficiencies for the cyclones and the American Air Filter Kinpactor and Mist Eliminator are 90 percent and 99.8 percent, respectively.
(9 VAC 5-80-110 and Condition 15 of the 4/02/1984 PSD permit)

11. **Thermal Dryer Requirements - (Unit 13) - Monitoring** - The dryer and venturi scrubber shall be operated according to design specifications and parameters specified in the permit application dated June 22, 1976, and any amendments thereto.
(9 VAC 5-80-110 Conditions 5 and 8 of the 4/02/1984 PSD permit)

12. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - The permittee shall monitor, operate, calibrate and maintain the scrubber monitoring devices according to the following:

Compliance Assurance Monitoring (CAM) Plan for Thermal Dryer (Unit 13)

I. Indicator	Indicator No. 1 Exhaust Gas Temperature	Indicator No. 2 Pressure Loss	Indicator No. 3 Water Supply Pressure
Measurement Approach	Temperature measurement device	Differential pressure gauge	Pressure gauge
II. Indicator Range	An excursion is defined as an exhaust gas temperature exceeding 200°F	An excursion is defined as a pressure loss through the scrubber of less than 20 and greater than 50 inches water column.	An excursion is defined as a water supply gauge pressure of less than 15 pounds per square inch
III. Performance Criteria A. Data Representativeness	The temperature measurement device monitors the temperature of the gas at the exit of the thermal dryer	The differential pressure gauge monitors the static pressures upstream and downstream of the scrubber's venturi throat	The water pressure gauge monitors water supply pressure to the scrubber. The gauge is to be located close to the water discharge point.
B. Verification of Operational Status	The monitoring device shall be installed and calibrated according to the manufacturer's or authorized representative's recommendations prior to the initial performance tests	The monitoring device shall be installed and calibrated according to the manufacturer's or authorized representative's recommendations prior to the initial performance tests	The monitoring device shall be installed and calibrated according to the manufacturer's or authorized representative's recommendations prior to the initial performance tests
C. QA/QC Practices and Criteria	The device is to be certified by the manufacturer to be accurate within ± 3° Fahrenheit and calibrated annually based on manufacturer's or authorized representative's recommendations	The device is to be certified by the manufacturer to be accurate within ± 1 inch water gage and calibrated annually based on manufacturer's or authorized representative's recommendations	The device is to be certified by the manufacturer to be accurate within ± 5% of design water supply pressure and calibrated annually based on manufacturer's or authorized representative's recommendations
D. Monitoring Frequency	Measure continuously	Measure continuously	Measure continuously
E. Data Collection Procedures	Record continuously on a chart recorder	Record continuously on a chart recorder	Record continuously on a chart recorder
F. Averaging Period	None	None	None

(9 VAC 5-80-110 and 40 CFR 64)

13. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - The permittee shall conduct the monitoring and fulfill the other obligations specified in 40 CFR 64.7 through 40 CFR 64.9.
(9 VAC 5-80-110 E and 40 CFR 64.6 (c))

14. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - At all times, the permittee shall maintain the monitoring equipment, including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
(9 VAC 5-80-110 E and 40 CFR 64.7 (b))

15. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the thermal dryer is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of compliance assurance monitoring, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by inadequate maintenance or improper operation are not malfunctions.
(9 VAC 5-80-110 E and 40 CFR 64.7 (c))

16. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - Upon detecting an excursion or exceedance, the permittee shall restore operation of the thermal dryer (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup and shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator, designated condition, or below the applicable emission limitation or standard, as applicable.
(9 VAC 5-80-110 E and 40 CFR 64.7 (d)(1))

17. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - Determination that acceptable procedures were used in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.
(9 VAC 5-80-110 E and 40 CFR 64.7(d)(2))

18. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the Director, Southwest Regional Office and, if necessary, submit a proposed modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.
(9 VAC 5-80-110 E and 40 CFR 64.7(e))

19. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM)** - If the number of exceedances or excursions exceeds five percent (5%) duration of the operating time for the thermal dryer for a semiannual reporting period, the permittee shall develop, implement and maintain a Quality Improvement Plan (QIP) in accordance with 40 CFR 64.8. If a QIP is required, the permittee shall have it available for inspection. The QIP initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the permittee shall modify the plan to include procedures for conducting one or more of the following, as appropriate:

    a. Improved preventative maintenance practices;

    b. Process operation changes;

    c. Appropriate improvements to control methods;

    d. Other steps appropriate to correct control performance; and

    e. More frequent or improved monitoring.

    (9 VAC 5-80-110 E and 40 CFR 64.8(a) and (b))

20. **Thermal Dryer Requirements - (Unit 13) - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

    a. The annual amount of coal consumed by the thermal dryer, calculated monthly as the sum of each consecutive 12-month period.

    b. The annual production of dried coal, calculated monthly as the sum of each consecutive 12-month period.

    c. The annual hours and days of operation of the thermal dryer, calculated monthly as the sum of each consecutive 12-month period.

    d. The results of the annual calibration of the thermal dryer measurement devices as specified in Condition 7.

    e. The log of annual inspections for each cyclone and the mist eliminator.

    f. The log of visible emissions observations and the results of all VEEs for the thermal dryer as required in Condition 9.

These records shall be available on-site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50 and 9 VAC 5-80-110)

21. **Thermal Dryer Requirements - (Unit 13) - Compliance Assurance Monitoring (CAM) Recordkeeping** - The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan (QIP) required pursuant to §64.8 and any activities undertaken to implement a quality improvement plan (QIP), and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
(9 VAC 5-80-110 E and 40 CFR 64.9(b))

22. **Thermal Dryer Requirements - (Unit 13) - Testing** - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

23. **Thermal Dryer Requirements - (Unit 13) - Testing** - A performance test shall be conducted on the thermal dryer at least once every five (5) calendar years, for particulate matter, sulfur dioxide, and nitrogen oxides to determine compliance with the emission limits specified in Condition 6. The tests shall be conducted while the thermal dryer is in normal operation. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30 and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-50-410. The details of the tests are to be arranged with the Director, Southwest Regional Office. The permittee shall submit a test protocol at least thirty (30) days prior to testing. Two (2) copies of the test results shall be submitted to the Director, Southwest Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-80-110)

IV. Emergency Engine Requirements - (Ref. Nos. RICE-2, RICE-3, and EG)

24. **Emergency Engine Requirements - (EG) - Limitations** - The approved fuel for the Predator engine-generator set (Ref. No. EG) located at the Reedy Ridge Deep Mine facility is gasoline. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 14 of 1/23/2019 NSR permit amendment)

25. **Emergency Engine Requirements - (EG) - Limitations** - The permittee must comply with the emission standards in 40 CFR 60.4231(a) for the Predator engine-generator set (Ref. No. EG). As such, the engine must meet the Phase 3 emission standards in 40 CFR Part 1054 for Class II engines. The permittee must comply with these emission standards over the life of the engine.
(9 VAC 5-80-110, 40 CFR 60.4233(a), 40 CFR 60.4234, and 40 CFR 1054.105(a))

26. **Emergency Engine Requirements - (EG) - Limitations** - The permittee shall operate and maintain the Predator engine-generator set (Ref. No. EG) located at the Reedy Ridge Deep Mine facility according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer. In addition, the permittee may only

change those settings that are permitted by the manufacturer and that do not increase air emissions.
(9 VAC 5-80-110 and Condition 12 of the 1/23/2019 NSR permit amendment)

27. **Process Equipment Requirements - (EG) - Limitations** – If the Predator engine-generator set (Ref. No. EG) located at the located at the Reedy Ridge Deep Mine facility does not meet the 40 CFR 60 Subpart JJJJ standards applicable to non-emergency engines, the permittee must install a non-resettable hour meter upon startup of the emergency engine.
(9 VAC 5-80-110 and 40 CFR 60.4237(c))

28. **Emergency Engine Requirements - (EG) - Limitations** - The Predator engine-generator set (Ref. No. EG) located at the Reedy Ridge mine facility shall only be operated as follows:

    a. In situations where immediate action on the part of the facility is needed due to a failure or loss of electrical power service resulting from a failure of the primary power provider and the failure or loss of power service is beyond the reasonable control of the facility. Operation under these circumstances shall not exceed 500 hours per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

    b. For the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of the unit is limited to 100 hours per year. These 100 hours shall be counted toward the 500 hours per year provided for emergency operation as defined in paragraph a. of this condition. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 month.

    c. The engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in preceding paragraph (b) of this condition. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

        i. The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

        ii. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region;

        iii. The dispatch follows reliability, emergency operation or similar protocols that follow specific North American Electric Reliability Corporation (NERC), regional, state, public utility commission or local standards or guidelines;

iv. The power is provided only to the facility itself or to support the local transmission and distribution system; and

v. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(9 VAC 5-80-110, 40 CFR 60.4243(d), and Condition 13 of the 1/23/2019 NSR permit amendment)

29. **Emergency Engine Requirements - (EG) - Limitations** - Visible emissions from the Predator engine-generator set (Ref. No. EG) located at the Reedy Ridge Deep Mine facility shall not exceed ten percent (10%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty percent (20%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 22 of the 1/23/2019 NSR permit amendment)

30. **Emergency Engine Requirements - (RICE-2 and RICE-3) - Limitations** - Visible emissions from the emergency engines RICE-2 and RICE-3 shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty percent (30%) opacity.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

31. **Emergency Engine Requirements - (EG) - Compliance** – The permittee must comply with the emission standards specified in 40 CFR 60.4233(a) (as required in Condition 25) by purchasing an engine certified to the emission standards in 40 CFR 60.4231(a). In addition, the following requirements must be met:

    a. If the certified engine is operated and maintained according to the manufacturer's emission-related written instructions, records of all maintenance conducted to demonstrate compliance must be maintained. Any applicable requirements in 40 CFR part 1068, subparts A through D, must also be met. If all adjusts to engine settings are made according to and consistent with the manufacturer's instructions, the engine will not be considered out of compliance.

    b. If the certified engine is not operated and maintained according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and the permittee must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

    (9 VAC 5-80-110 and 40 CFR 60.4243)

32. **Emergency Engine Requirements - (EG) - Recordkeeping** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

a. The annual hours of operation of the Predator engine-generator set (Ref. No. EG) located at the Reedy Ridge Deep Mine facility, calculated monthly as the sum of each consecutive 12-month period.

b. Engine information including make, model, serial number, model year, maximum engine power (bhp), and engine displacement for the Predator engine-generator set (Ref. No. EG) located at the Reedy Ridge Deep Mine facility.

c. Notifications regarding the Predator engine-generator set (Ref. No. EG) submitted to comply with 40 CFR 60, Subpart JJJJ.

d. Documentation from the manufacturer of the Predator engine-generator set (Ref. No. EG) that it is certified to meet the emission standards as required by 40 CFR part 1054.

e. The manufacturer's written operating instructions or procedures developed by the owner/operator that are approved by the engine manufacturer for the Predator engine-generator set (Ref. No. EG) located at the Reedy Ridge Deep Mine facility.

f. Results of VEE performance tests.

g. Instances where maintenance was conducted on the Predator engine-generator set (Ref. No. EG) to demonstrate compliance.

h. Records of the reasons for operation for the Predator engine-generator set (Ref. No. EG), including, but not limited to, the date, cause of operation, cause of the emergency and hours of emergency and non-emergency operation.

(9 VAC 5-80-110, 40 CFR 60.4243(a), 40 CFR 60.4245(a)-(b), and Condition 26 of the 1/23/2019 NSR permit amendment)

V. Coal Processing Requirements - (Ref. Nos. 2F, 2G, 10, 16A, 25, 26, 51, SB1, SP1, MB1, RRMINE, FC-TS01, FC-TS02, FC-TS03, FC-SC01, and FC-SC02)

33. **Coal Processing Equipment - (25) - Limitations** - Particulate emissions from truck unloading into the truck dump bin (Ref. No. 25) shall be controlled by partial enclosure, or equivalent. The enclosures shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 1 of the 1/23/2019 NSR permit amendment)

34. **Coal Processing Equipment - (2F, 16A, 26, 51, MB1, and SB1) - Limitations** - Particulate emissions from the transfer of coal onto and off the conveyor belts (Ref. Nos. 2F, 16A, 26, 51, MB1, and SB1) shall be controlled by full enclosure or wet suppression, or equivalent. The enclosures shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 2 of the 1/23/2019 NSR permit amendment)

35. **Coal Processing Equipment - (2G and 2F) - Limitations** - Particulate emissions from the coal storage bin (Ref. No. 2G) and the belt conveyor (Ref. No. 2F) shall be controlled by wet suppression or equivalent. The storage bin and conveyor shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 3 of the 1/23/2019 NSR permit amendment)

36. **Coal Processing Equipment – (Fugitive Dust) - Limitations** - Fugitive emission controls shall include the following, or equivalent, as a minimum.

    a. Dust from stockpiling, material handling, crushers, screens, load-outs, and traffic areas, shall be controlled by wet suppression or equivalent (as approved by the DEQ). The wet suppression spray systems shall be operated at optimum design, and shall be provided with adequate access for inspection.

    b. All material being stockpiled shall be kept adequately moist to control dust during storage and handling or covered at all times to minimize emissions.

    c. Dust from haul roads and traffic areas shall be controlled by the application of asphalt, water, suitable chemicals, or equivalent methods approved by the DEQ.

    d. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. Dirt, product, or raw material spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.

    (9 VAC 5-80-110 and Condition 4 of the 1/23/2019 NSR permit amendment)

37. **Coal Processing Equipment - (SP1) - Limitations** - Dust emissions from the Reedy Ridge raw coal open storage pile (Ref. No. SP1) shall be controlled by wet suppression or equivalent control measures as specified in the Fugitive Coal Dust Emissions Control Plan required by NSPS Subpart Y and Condition 52.
    (9 VAC 5-80-110 and Condition 5 of the 1/23/2019 NSR permit amendment)

38. **Coal Processing Equipment - (25 and 26) - Limitations** - The yearly throughput of coal to the truck dump bin (Ref. No. 25) and the truck dump conveyor belt (Ref. No. 26) shall not exceed 2,304,000 tons, calculated monthly as the sum of each consecutive 12-month period.
    (9 VAC 5-80-110 and Condition 6 of the 1/23/2019 NSR permit amendment)

39. **Coal Processing Equipment - (51 and 52) - Limitations** - The yearly throughput of coal to the middlings coal conveyor belt (Ref. No. 51) and the middlings coal bin (Ref. No. 52) shall not exceed 1,728,000 tons, calculated monthly as the sum of each consecutive 12-month period.
    (9 VAC 5-80-110 and Condition 7 of the 1/23/2019 NSR permit amendment)

40. **Coal Processing Equipment - (2F and 2G) - Limitations** - The yearly throughput of coal to the coal storage bin (Ref. No. 2G) and the belt conveyor (Ref. No. 2F) shall not exceed 1,752,000 tons, calculated monthly as the sum of each consecutive 12-month period.
    (9 VAC 5-80-110 and Condition 8 of the 1/23/2019 NSR permit amendment)

41. **Coal Processing Equipment - (10) - Limitations** - The annual production of clean coal from the McClure River Coal Preparation Plant shall not exceed a combined total of 2,800,000 tons per year, calculated monthly as the sum of each consecutive 12-month period.
    (9 VAC 5-80-110 and Condition 9 of the 1/23/2019 NSR permit amendment)

42. **Coal Processing Equipment - (SB1 and SP1) - Limitations** - The yearly throughput of raw coal to the Reedy Ridge Deep Mine stacker conveyor (Ref. No. SB1) and open storage pile (Ref.

No. SP1) shall not exceed 500,000 tons each, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 10 of the 1/23/2019 NSR permit amendment)

43. **Coal Processing Equipment - (RRMINE) - Limitations** - The yearly consumption of mine safety dust by the Reedy Ridge Deep Mine (Ref. No. RRMINE) shall not exceed 750 tons, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 11 of the 1/23/2019 NSR permit amendment)

44. **Coal Processing Equipment - (10) - Limitations** - Volatile organic compound (VOC) emissions from the McClure River Coal Preparation Plant shall not exceed the limitations specified below:

Volatile Organic Compounds (VOC)	80.00 lb/hr	140.00 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition 41.
(9 VAC 5-80-110 and Condition 15 of the 1/23/2019 NSR permit amendment)

45. **Coal Processing Equipment - (SB1 and SP1) - Limitations** - Emissions from the operation of the Reedy Ridge raw coal stacker conveyor and open storage pile (Ref. Nos. SB1 and SP1), the truck dump bin and conveyor (Ref. Nos. 25 and 26), middlings coal bin and conveyor (Ref. Nos. 51 and 52), and the rock bin and conveyor (Ref. Nos. 2G and 2F) shall not exceed the limitations specified below:

	PM		PM-10 / PM-2.5	
	lbs/hr	tons/yr	lbs/hr	tons/yr
Raw Coal Stacker Conveyor (SB1)	0.15	0.08	0.11	0.06
Raw Coal Open Storage Pile (SP1)	8.25	4.13	7.80	3.90
Truck Dump Bin Loading (25)	3.12	8.99	0.17	0.48
Truck Dump Bin Unloading (25)	1.04	1.50	0.17	0.24
Truck Dump Conveyor Discharge (26)	1.04	1.5	0.17	0.24
Middlings Coal Conveyor (51)	0.39	1.12	0.06	0.18
Middlings Coal Bin (52)	0.78	2.25	0.13	0.36
Steel Bin (2G)	0.52	2.28	0.06	0.25
Belt Conveyor (2F)	0.26	1.14	0.03	0.12
Reedy Ridge Totals	15.55	22.99	8.70	5.83

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 33 through 42.
(9 VAC 5-80-110 and Condition 16 of the 1/23/2019 NSR permit amendment)

46. **Coal Processing Equipment - (RRMINE) - Limitations** - Emissions from the operation of the Reedy Ridge Deep Mine ventilation system of exhausts (Ref. No. RRMINE) shall not exceed the limitations specified below:

PM-10	0.23 lb/hr	1.03 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 43 and 49.
(9 VAC 5-80-110 and Condition 17 of the 1/23/2019 NSR permit amendment)

47. **Coal Processing Equipment - (2F and 2G) - Limitations** -Visible emissions from the coal storage bin (Ref. No. 2G) and the belt conveyor (Ref. No. 2F) shall not exceed 10 percent (10%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 18 of the 1/23/2019 NSR permit amendment)

48. **Coal Processing Equipment - (FC-TS01, FC-TS02, FC TS03, FC-SC01, and FC-SC02) - Limitations** -Visible emissions from each of the Multotec SX-7 triple start spirals (Reference Nos. FC-TS01 - FC TS03) and both of the Eriez stack flotation cells (Reference Nos. FC SC01 and FC-SC02) shall not exhibit ten percent (10%) opacity or greater as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 19 of the 1/23/2019 NSR permit amendment)

49. **Coal Processing Equipment - (RRMINE) - Limitations** - Visible emissions from each Reedy Ridge Deep Mine ventilation system exhaust (Ref. No. RRMINE), shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent (30%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 20 of the 1/23/2019 NSR permit amendment)

50. **Coal Processing Equipment - (SP1) - Limitations** - Visible emissions from the Reedy Ridge Deep Mine raw coal open storage pile (Ref. No. SP1), shall not exceed twenty percent (20%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 21 of the 1/23/2019 NSR permit amendment)

51. **Coal Processing Equipment - (10, SB1, and MB1) - Limitations** -Unless otherwise specified, visible emissions from all coal processing and handling equipment shall be less than twenty percent (20%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 23 of the 1/23/2019 NSR permit amendment)

52. **Coal Processing Equipment - (SP1) - Limitations - Control Plan** - A fugitive coal dust emissions control plan shall be prepared and submitted prior to operating the Reedy Ridge open storage pile (Ref. No. SP1). The permittee shall operate in accordance with the fugitive coal dust emissions control plan that is appropriate for the site conditions as specified in 40 CFR 60.254

(c)(1) through (c)(6), and all other provisions of NSPS Subpart Y applicable to affected open storage piles.
(9 VAC 5-80-110 and Condition 33 of the 1/23/2019 NSR permit amendment)

53. **Coal Processing Equipment – (Ref. No. RRMINE) - Monitoring** - The permittee shall visually observe each active underground coal mine vent shaft exhaust at least once each calendar quarter to determine the presence of visible emissions while operating (does not include condensed water vapor/steam). If during the observation, visible emissions are observed that appear to be greater than ten percent (10%) opacity, a visible emission evaluation (VEE) shall be conducted in accordance with 40 CFR 60, Appendix A, EPA Method 9. The VEE shall be conducted for a minimum of six (6) minutes. If any of the observations exceed twenty percent (20%) opacity, the VEE shall be conducted for a total of sixty (60) minutes. A Method 9 VEE shall not be required if the visible emission condition is corrected as expeditiously as possible such that visible emissions do not exceed ten percent (10%) opacity; the coal mine is operating at normal conditions; and, the cause and corrective measures taken are recorded. A record of each visible emissions observation shall be maintained, including, at a minimum, the date, time, identification of the vent shaft exhaust, the applicable emission requirement, the results of the observation and the name of the observer.
(9 VAC 5-80-110)

54. **Coal Processing Equipment - (10, SB1, SP1, RRMINE, FC-TS01, FC-TS02, FC TS03, FC-SC01, and FC-SC02) - Recordkeeping** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

    a. The yearly throughput of coal to the truck dump bin and the truck dump conveyor belt (Ref. Nos. 25 and 26), calculated monthly as the sum of each consecutive 12-month period.

    b. The yearly throughput of coal to the middlings coal conveyor belt and the middlings coal bin (Ref. Nos. 51 and 52), calculated monthly as the sum of each consecutive 12-month period.

    c. The yearly throughput of coal to the coal storage bin and the belt conveyor (Ref. Nos. 2G and 2F), calculated monthly as the sum of each consecutive 12-month period.

    d. The annual production of clean coal from the McClure River Coal Preparation Plant (Ref. No. 10), calculated monthly as the sum of each consecutive 12-month period.

    e. The yearly throughput of coal to the Reedy Ridge stacker conveyor and open storage pile (Ref. Nos. SB1 and SP1), calculated monthly as the sum of each consecutive 12-month period.

    f. The yearly consumption of mine safety dust by the Reedy Ridge Deep Mine, calculated monthly as the sum of each consecutive 12-month period.

    g. Results of VEE performance tests.

    h. A logbook for NSPS equipment subject to Subpart Y after April 28, 2008, as detailed in Condition 55 of this permit.

These records shall be available on-site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, 9 VAC 5-50-50, and Condition 26 of the 1/23/2019 NSR permit amendment)

55. **Coal Processing Equipment - (FC-TS01, FC-TS02, FC-TS03, FC-SC01, FC-SC02, SB1, and SP1) - Recordkeeping** - The permittee shall maintain in a logbook (written or electronic) on-site in accordance with 40 CFR 60.258 (a) and make it available upon request. The logbook shall record the following for all affected facilities subject to NSPS Y after May 27, 2009, (the three Multotec SX-7 triple start spirals (Reference Nos. FC-TS01 - FC TS03), the two Eriez stack flotation cells (Reference Nos. FC SC01 and FC-SC02), the Reedy Ridge Deep Mine stacker conveyor (Ref. No. SB1) and open storage pile (Ref. No. SP1)), as identified in the equipment list of this permit:

    a. The manufacturer's recommended maintenance procedures and the date and time of any maintenance and inspection activities and the results of those activities. Any variance from manufacturer recommendation, if any, shall be noted.

    b. The date and time of periodic coal preparation and processing plant visual observations, noting those sources with visible emissions along with corrective actions taken to reduce visible emissions. Results from the actions shall be noted.

    c. The amount of clean coal produced by the McClure River Coal Preparation Plant, as detailed in Condition 4 of this permit.

    d. The amount of raw coal processed each calendar month, as detailed in Condition 5 of this permit.

    e. Monthly certification that the dust suppressant systems were operational when any coal was processed and that manufacturer's recommendations were followed for all control systems. Any variance from the manufacturer's recommendations, if any, shall be noted.

    (9 VAC 5-80-110, 9 VAC 5-50-410, and Condition 31 of the 1/23/2019 NSR permit amendment)

56. **Coal Processing Equipment - (FC-TS01, FC-TS02, FC TS03, FC-SC01, FC-SC02, SB1, and SP1) - Reports** - Reports shall be provided to the Director, Southwest Regional Office, in accordance with 40 CFR 60.258 (b) and (c) for the Multotec SX 7 triple start spirals (Ref. Nos. FC-TS01, FC-TS02, and FC-TS03), the two Eriez stack flotation cells (Ref. Nos. FC-SC01 and FC-SC02, the Reedy Ridge Deep Mine stacker conveyor (Ref. No. SB1), and open storage pile (Ref. No. SP1), as follows:

    a. Semiannual period reports of all 6-minute average opacities that exceed the applicable standard.

    b. Results of initial and successive performance tests within 45 days after test completion.

    c. Report the results of initial performance tests to the Administrator or delegated authority, consistent with the provisions of 40 CFR 60.8. The permittee who elects to comply with the reduced performance testing provisions of 40 CFR 60.255(c) or (d) shall include in the performance test report identification of each affected facility that will be subject to the reduced testing. The permittee electing to comply with 40 CFR 60.255(d) shall also include information which demonstrates that the control devices are identical.

d. Within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with this subpart, the permittee shall submit a summary copy to:

U.S. Environmental Protection Agency
Energy Strategies Group
109 TW Alexander DR
Mail code: D243-01
RTP, NC 27711.

(9 VAC 50-80-110 and Condition 32 of the 1/23/2019 NSR permit amendment)

57. **Coal Processing Equipment - (FC-TS01, FC-TS02, FC TS03, FC-SC01, and FC-SC02) - Testing** - Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall be conducted by the permittee on each of the Multotec SX-7 triple start spirals (Reference Nos. FC-TS01 - FC TS03) and both of the Eriez stack flotation cells (Reference Nos. FC SC01 and FC-SC02). The duration of each VEE test shall be one hour (ten 6-minute averages). If, during the initial 30 minutes of the VEE test, all of the 6 minute average opacity readings are less than or equal to 50% of the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. The details of the tests are to be arranged with the Director, Southwest Regional Office. The evaluation shall be performed and reported within 60 days after achieving the maximum production rate at which the equipment will be operated, but in no event later than 180 days after start-up of the equipment identified above. One copy of the test results shall be submitted to the Southwest Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit
(9 VAC 5-50-30, 9 VAC 5-80-110, 9 VAC 5-50-410, and Condition 29 of the 1/23/2019 NSR permit amendment)

58. **Coal Processing Equipment - (FC-TS01, FC-TS02, FC TS03, FC-SC01, FC-SC02, SB1, SP1, 2F, and 2G) - Testing** - The permittee shall conduct additional performance tests (VEEs) on the Multotec SX-7 triple start spirals (Reference Nos. FC-TS01 - FC TS03), the two Eriez stack flotation cells (Reference Nos. FC SC01 and FC-SC02), the Reedy Ridge Deep Mine raw coal stacker conveyor and open storage pile (Ref. Nos. SB1 and SP1), and the rock bin and conveyor (Ref. Nos. 2G and 2F) in accordance with 40 CFR 60.257 (a)(1), as follows:

a. If any 6-minute average opacity reading in the most recent performance test exceeds half the applicable opacity limit, a new performance test shall be conducted within 90 operating days of the date that the previous performance test was required to be completed.

b. Performance testing shall be repeated within 12 months of the date that the previous performance test was required to be completed, if the six-minute averages from the previous test were equal to or less than half the applicable opacity standard.

(9 VAC 5-50-410 and 9 VAC 5-80-1180)

59. **Coal Processing Equipment - (FC-TS01, FC-TS02, FC TS03, FC-SC01, FC-SC02, SB1, SP1, 2F, and 2G) - Testing** - As an alternative to meeting the requirements in Condition 58, an owner or operator of an affected facility that commenced construction, reconstruction, or modification after April 28, 2008, may elect to comply with the requirements in paragraph (f)(1), (f)(2), or (g) of 40 CFR 60.255, as described in paragraphs a, b, or c below:

a. Monitor visible emissions from each affected facility according to the requirements in paragraphs (f)(1)(i) through (iii) of 40 CFR 60.255.

   i. Conduct one daily 15-second observation each operating day for each affected facility (during normal operation) when the coal preparation and processing plant is in operation. Each observation must be recorded as either visible emissions observed or no visible emissions observed. Each observer determining the presence of visible emissions must meet the training requirements specified in §2.3 of Method 22 of appendix A-7 of 40 CFR Part 60. If visible emissions are observed during any 15-second observation, the owner or operator must adjust the operation of the affected facility and demonstrate within 24 hours that no visible emissions are observed from the affected facility. If visible emissions are observed, a Method 9, of appendix A-4 of 40 CFR Part 60, performance test must be conducted within 45 operating days.

   ii. Conduct monthly visual observations of all process and control equipment. If any deficiencies are observed, the necessary maintenance must be performed as expeditiously as possible.

   iii. Conduct a performance test using Method 9 of appendix A-4 of 40 CFR Part 60 at least once every 5 calendar years for each affected facility.

b. Prepare a written site-specific monitoring plan for a digital opacity compliance system for approval by the Administrator or delegated authority. The plan shall require observations of at least one digital image every 15 seconds for 10-minute periods (during normal operation) every operating day. An approvable monitoring plan must include a demonstration that the occurrences of visible emissions are not in excess of five percent (5%) of the observation period. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods. The monitoring plan approved by the Administrator or delegated authority shall be implemented by the owner or operator.

c. Install, operate, and maintain a continuous opacity monitoring system (COMS). Each COMS used to comply with provisions of this subpart must be installed, calibrated, maintained, and continuously operated according to the requirements below:

   i. The COMS must meet Performance Specification 1 in 40 CFR part 60, appendix B.

   ii. The COMS must comply with the following quality assurance requirements:

      1) The owner or operator must automatically (intrinsic to the opacity monitor) check the zero and upscale (span) calibration drifts at least once daily. For particular COMS, the acceptable range of zero and upscale calibration materials is as defined in the applicable version of Performance Specification 1 in 40 CFR part 60, appendix B.

      2) The owner or operator must adjust the zero and span whenever the 24-hour zero drift or 24-hour span drift exceeds four percent (4%) opacity. The COMS must allow for the amount of excess zero and span drift measured at the 24-hour interval checks to

be recorded and quantified. The optical surfaces exposed to the effluent gases must be cleaned prior to performing the zero and span drift adjustments, except for systems using automatic zero adjustments. For systems using automatic zero adjustments, the optical surfaces must be cleaned when the cumulative automatic zero compensation exceeds four percent (4%) opacity.

3) The owner or operator must apply a method for producing a simulated zero opacity condition and an upscale (span) opacity condition using a certified neutral density filter or other related technique to produce a known obscuration of the light beam. All procedures applied must provide a system check of the analyzer internal optical surfaces and all electronic circuitry including the lamp and photodetector assembly.

4) Except during periods of system breakdowns, repairs, calibration checks, and zero and span adjustments, the COMS must be in continuous operation and must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.

5) The owner or operator must reduce all data from the COMS to 6-minute averages. Six-minute opacity averages must be calculated from 36 or more data points equally spaced over each 6-minute period. Data recorded during periods of system breakdowns, repairs, calibration checks, and zero and span adjustments must not be included in the data averages. An arithmetic or integrated average of all data may be used.

(9 VAC 5-80-110, 40 CFR 60.255(f) and (g))

VI. Coal Processing Equipment and Underground Mine Support Services Requirements - Deep Mine 41 - (Ref. Nos. DMTB1 - DMTB6, DMSCR1, DMDB1, and DMINE)

60. **Coal Processing Equipment - Deep Mine 41 - (DMTB1 - DMTB6 and DMSCR1) - Limitations** - Particulate emissions from all screens, conveyor belts and conveyor transfers shall be controlled by partial enclosure and either wet suppression or the processing of wet coal. The wet suppression and enclosure systems shall be provided with adequate access for inspection. (9 VAC 5-80-110 and Condition 1 of the 10/11/2018 NSR permit for Reg. No. 11690)

61. **Underground Mine Support Services - Deep Mine 41 - (DMDB1) - Limitations** - Particulate emissions from loading the mine safety dust storage bin (Ref. No. DMDB1) shall be controlled by full enclosure. Particulate emissions from unloading the mine safety dust storage bin shall be controlled by full enclosure using a hose (duct) or other comparable device to convey safety dust. The bin and hose shall be provided with adequate access for inspection. (9 VAC 5-80-110 and Condition 2 of the 10/11/2018 NSR permit for Reg. No. 11690)

62. **Coal Processing Equipment - Deep Mine 41 - Fugitive Emission Controls - Limitations** - Fugitive emission controls shall include the following, or equivalent, as a minimum:

    a. Dust from material handling, screens, transfers, and loadouts, shall be controlled by partial enclosure and either wet suppression or the processing of wet coal, or equivalent (as approved by the DEQ). There shall be no exemption from this requirement due to cold weather.

b. All material being stockpiled shall be kept adequately moist to control dust during storage and handling or covered at all times to minimize emissions.

c. Dust from haul roads and traffic areas shall be controlled by the application of asphalt, water, suitable chemicals, or equivalent methods approved by the DEQ.

d. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. Dirt, product, or raw material spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.

e. Volatile organic compounds shall not be intentionally spilled, discarded to sewers, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.

(9 VAC 5-80-110 and Condition 3 of the 10/11/2018 NSR permit for Reg. No. 11690)

63. **Coal Processing Equipment - Deep Mine 41 - (DMTB1) - Limitations** - The annual throughput of raw coal to conveyor belt DMTB1 shall not exceed 5,800,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. (9 VAC 5-80-110 and Condition 4 of the 10/11/2018 NSR permit for Reg. No. 11690)

64. **Underground Mine Support Services - Deep Mine 41 - (DMDB1) - Limitations** - The throughput of mine safety dust to the mine safety dust storage bin shall not exceed 18,000 tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. (9 VAC 5-80-110 and Condition 5 of the 10/11/2018 NSR permit for Reg. No. 11690)

65. **Coal Processing Equipment - Deep Mine 41 - (DMTB1 - DMTB6 and DMSCR1) - Limitations** - Emissions from the operation of the coal processing and conveying equipment shall not exceed the limits specified below:

Particulate Matter	1.44 lbs/hr	2.32 tons/yr
PM-10	0.77 lbs/hr	1.24 tons/yr
PM-2.5	0.40 lbs/hr	0.64 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 60, 62, and 63.
(9 VAC 5-80-110 and Condition 6 of the 10/11/2018 NSR permit for Reg. No. 11690)

66. **Underground Mine Support Services - Deep Mine 41 – (DMINE) - Limitations** - Emissions from the operation of the mine ventilation system exhausts at Deep Mine 41 shall not exceed the following limits:

PM-10	5.72 lb/hr	12.45 tons/yr
PM-2.5	1.65 lb/hr	3.52 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions 61, 62, and 64.
(9 VAC 5-80-110 and Condition 7 of the 10/11/2018 NSR permit for Reg. No. 11690)

67. **Coal Processing Equipment - Deep Mine 41 - (DMTB1 - DMTB6) - Limitations** - Visible emissions from each conveyor belt (Ref Nos. DMTB1 - DMTB6) shall not exceed twenty percent (20%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown or malfunction.
(9 VAC 5-80-110 and Condition 8 of the 10/11/2018 NSR permit for Reg. No. 11690)

68. **Coal Processing Equipment - Deep Mine 41 - (DMSCR1) - Limitations**-Visible emissions from the screen (Ref. No. DMSCR1) shall not exceed ten percent (10%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown or malfunction.
(9 VAC 5-80-110 and Condition 9 of the 10/11/2018 NSR permit for Reg. No. 11690)

69. **Underground Mine Support Services - Deep Mine 41 – (DMINE) - Limitations** - Visible emissions from the mine ventilation system exhausts at Deep Mine 41 shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty percent (30%) opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 10 of the 10/11/2018 NSR permit for Reg. No. 11690)

70. **Underground Mine Support Services - Deep Mine 41 - (DMDB1)- Limitations** - Visible emissions from loading and unloading the mine safety dust storage bin shall not exceed five percent (5%) opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 11 of the 10/11/2018 NSR permit for Reg. No. 11690)

71. **Coal Processing Equipment - Deep Mine 41 - (DMTB1 - DMTB6 and DMSCR1) - Limitations** - Except where this permit is more restrictive than the applicable requirement, the NSPS equipment (Ref. Nos. DMTB1 - DMTB6 and DMSCR1) shall be operated in compliance with the requirements of 40 CFR 60, Subpart Y.
(9 VAC 5-80-110 and Condition 12 of the 10/11/2018 NSR permit for Reg. No. 11690)

72. **Coal Processing Equipment - Deep Mine 41 - (DMSCR1) - Monitoring - Continuing Compliance** - Except as provided for in 40 CFR 60.255(f) and (g), the permittee shall conduct visible emission evaluations (VEE's) on the screen (Ref. No. DMSCR1) in accordance with the following schedule:

    a. Within 90 operating days of the date that the previous performance test was required to be completed if any six minute average opacity reading in the most recent VEE exceeds half the applicable opacity limit; or

b. Within 12 calendar months of the date that the previous VEE was required to be completed if all 6-minute average opacity readings in the most recent performance test are equal to or less than half the applicable opacity limit.

(9 VAC 5-80-110 and Condition 13 of the 10/11/2018 NSR permit for Reg. No. 11690)

73. **Coal Processing Equipment – (Ref. No. DMINE) - Monitoring** - The permittee shall visually observe each active underground coal mine vent shaft exhaust at Deep Mine 41 at least once each calendar quarter to determine the presence of visible emissions while operating (does not include condensed water vapor/steam). If during the observation, visible emissions are observed that appear to be greater than ten percent (10%) opacity, a visible emission evaluation (VEE) shall be conducted in accordance with 40 CFR 60, Appendix A, EPA Method 9. The VEE shall be conducted for a minimum of six (6) minutes. If any of the observations exceed twenty percent (20%) opacity, the VEE shall be conducted for a total of sixty (60) minutes. A Method 9 VEE shall not be required if the visible emission condition is corrected as expeditiously as possible such that visible emissions do not exceed ten percent (10%) opacity; the coal mine is operating at normal conditions; and, the cause and corrective measures taken are recorded. A record of each visible emissions observation shall be maintained, including, at a minimum, the date, time, identification of the vent shaft exhaust, the applicable emission requirement, the results of the observation and the name of the observer.
(9 VAC 5-80-110)

74. **Coal Processing Equipment – (Ref. No. DMDB1) - Monitoring** - The permittee shall visually observe the mine safety dust bin during bin loading or unloading at least once each calendar quarter in which the bin is loaded or unloaded, to determine the presence of visible emissions. If during the observation, visible emissions are observed, a visible emission evaluation (VEE) shall be conducted in accordance with 40 CFR 60, Appendix A, EPA Method 9. The VEE shall be conducted for a minimum of six (6) minutes. If any of the observations exceed five percent (5%) opacity, the VEE shall be conducted for a total of sixty (60) minutes. A Method 9 VEE shall not be required if the visible emission condition is corrected as expeditiously as possible such that visible emissions are not observed and the cause and corrective measures taken are recorded. A record of each visible emissions observation shall be maintained, including, at a minimum, the date, time, identification of the bin exhaust, the applicable emission requirement, the results of the observation, and the name of the observer.
(9 VAC 5-80-110)

75. **Coal Processing Equipment - Deep Mine 41 - (DMSCR1) - Reporting** - Within 60 days after completing a visible emissions evaluation (VEE) on the screen (Ref. No. DMSCR1) in accordance with Condition 72, the permittee shall submit a summary copy of the test results to:

    United State Environmental Protection Agency
    Energy Strategies Group
    109 TW Alexander DR
    Mail code: D243-01
    RTP, NC 27711

(9 VAC 5-80-110 and Condition 14 of the 10/11/2018 NSR permit for Reg. No. 11690)

76. **Underground Mine Support Services - Deep Mine 41 - (DMDB1) - Reporting** - The permittee shall furnish written notification to the Director, Southwest Regional Office of the actual start-up date of the rock dust bin (Reference No. DMDB1) within 15 days after such date. ((9 VAC 5-80-110 and Condition 15 of the 10/11/2018 NSR permit for Reg. No. 11690))

77. **Coal Processing Equipment and Underground Mine Support Services - Deep Mine 41 - Recordkeeping** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

    a. Annual throughput of raw coal to conveyor belt DMTB1, calculated monthly as the sum of each consecutive 12-month period.

    b. Annual throughput of mine safety dust to the mine safety dust storage bin (Ref. No. DMDB1), calculated monthly as the sum of each consecutive 12-month period.

    c. Scheduled and unscheduled maintenance and operator training.

    d. Results of all visible emission evaluations.

    e. A written or electronic log book as required by 40 CFR 60.258(a), to include, but not limited to: manufacturers' recommended maintenance procedures for process and control equipment, the amount and type of coal processed, the amount of chemical stabilizer or water purchased and the operational status of dust suppressant systems.

    These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
    (9 VAC 5-80-110 and Condition 16 of the 10/11/2018 NSR permit for Reg. No. 11690)

VII. Insignificant Emissions Units

78. **Insignificant Emissions Units** - The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720B:

Emission Unit No.	Emission Unit Description	Pollutant Emitted
30	Tank MR-1A (diesel)	VOC
31	Tank MR-1B (motor oil)	VOC
32	Tank MR-1C (hydraulic oil)	VOC
33	Tank MR-1D (gear oil)	VOC
36	Tank MR-2C (kerosene)	VOC
37	Tank MR-3A (alcohol)	VOC
38	Tank MR-3B (gasoline)	VOC
40	Tank MR-4A (diesel)	VOC
41	Tank MR-4 (kerosene)	VOC
42	Tank MR-5A (hydraulic oil)	VOC
43	Tank MR-5B (motor oil)	VOC
44	Tank MR-5C (diesel)	VOC

Emission Unit No.	Emission Unit Description	Pollutant Emitted
47	Wastewater Treatment Plant	VOC
48	Parts Washer	VOC
54	Tank #1 Loadout (salt)	VOC
55	Tank #2 Loadout (salt)	VOC
56	Tank #3 Loadout (glycol)	VOC
57	Tank #4 Loadout (salt)	VOC
58	Tank #5 Loadout (salt)	VOC
DB-1	Reedy Ridge Mine Rock Dust Bin	PM-10

These emission units are presumed to be in compliance with all requirements of the Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping or reporting shall be required for these emission units in accordance with 9 VAC 5-80-490.
(9 VAC 5-80-490)

VIII. Permit Shied & Inapplicable Requirements

79. **Permit Shield and Inapplicable Requirements** - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility.

Citation	Title of Citation	Description of Non-Applicability
-	-	-

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-110 and 9 VAC 5-80-140)

IX. General Conditions

80. **General Conditions - Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110)

81. **General Conditions - Violation of Ambient Air Quality Standards** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to

avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-80-110, Condition 40 of the 1/23/2019 NSR permit amendment, and Condition 21 of the 10/11/2018 NSR permit for Reg. No. 11690)

82. **General Conditions - Permit Expiration -**

    a. This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

    b. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

    c. If an applicant submits a timely and complete application for an initial permit or renewal under 9VAC5-80-80 F, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

    d. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

    e. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

    f. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80, 9 VAC 5-80-110, and 9 VAC 5-80-170)

83. **General Conditions -Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

    a. The date, place as defined in the permit, and time of sampling or measurements;

    b. The date(s) analyses were performed;

    c. The company or entity that performed the analyses;

    d. The analytical techniques or methods used;

    e. The results of such analyses;

    f. The operating conditions existing at the time of sampling or measurement; and

g. The occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.

(9 VAC 5-80-110, Condition 39 of the 1/23/2019 NSR permit amendment, and Condition 20 of the 10/11/2018 NSR permit for Reg. No. 11690)

84. **General Conditions -Recordkeeping and Reporting** - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110)

85. **General Conditions -Recordkeeping and Reporting** - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

    a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31;

    b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

        i. Exceedances of emissions limitations or operational restrictions;

        ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

        iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

    c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110)

86. **General Conditions - Annual Compliance Certification** - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

a. The time period included in the certification. The time period to be addressed is January 1 to December 31;

b. The identification of each term or condition of the permit that is the basis of the certification;

c. The compliance status;

d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;

e. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;

f. Such other facts as the permit may require to determine the compliance status of the source; and

g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9 VAC 5-80-110 K.5)

87. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Director, Southwest Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 85 of this permit.
(9 VAC 5-80-110 F.2)

88. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Southwest Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Southwest Regional Office.
(9 VAC 5-80-110, 9 VAC 5-20-180, Condition 39 of the 1/23/2019 NSR permit amendment, and Condition 20 of the NSR permit for Reg. No. 11690)

89. **General Conditions - Failure/Malfunction Reporting** - The emission units that have continuous monitors subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not subject to the 14 day written notification.
(9 VAC 5-80-110, 9 VAC 5-20-180 C, and 9 VAC 5-50-50)

90. **General Conditions - Failure/Malfunction Reporting** - The emission units subject to the reporting and the procedure requirements of 9 VAC 5-40-50 C and the procedures of 9 VAC 5-50-50 C are listed below:

    Thermal dryer (Unit 13)
    (9 VAC 5-80-110, 9 VAC 5-40-50, and 9 VAC 5-50-50)

91. **General Conditions - Failure/Malfunction Reporting** - Each owner required to install a continuous monitoring system (CMS) or monitoring device subject to 9 VAC 5-40-41 or 9 VAC 5-50-410 shall submit a written report of excess emissions (as defined in the applicable subpart in 9 VAC 5-50-410) and either a monitoring systems performance report or a summary report form, or both, to the board semiannually. All semiannual reports shall be postmarked by the 30th day following the end of each calendar quarter and shall include the following information:

    a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9VAC5-40-41 B.6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;

    b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;

    c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

    d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

    (9 VAC 5-80-110, 9 VAC 5-20-180 C, 9 VAC 5-40-50 C, and 9 VAC 5-50-50)

92. **General Conditions - Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110)

93. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110)

94. **General Conditions - Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (9 VAC 5-80-110)

95. **General Conditions - Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-110, 9 VAC 5-80-190, and 9 VAC 5-80-260)

96. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110)

97. **General Conditions - Duty to Submit Information** - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110)

98. **General Conditions - Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110)

99. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9 VAC 5-80-2310 through 9 VAC 5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9 VAC 5-80-2340, adjusted annually by the change in the Consumer Price Index.
(9 VAC 5-80-110, 9 VAC 5-80-340, and 9 VAC 5-80-2340)

100. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate

matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90 and 9 VAC 5-80-110)

101. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
9 VAC 5-50-20 E and 9 VAC 5-80-110)

102. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1. (9 VAC 5-80-110)

103. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 and Condition 36 of the 1/23/2019 NSR permit amendment and Condition 17 of the 10/11/2018 NSR permit for Reg. No. 11690)

104. **General Conditions - Reopening for Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F. The conditions for reopening a permit are as follows:

a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110)

105. **General Conditions - Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-110 and 9 VAC 5-80-150)

106. **General Conditions - Transfer of Permits** - Transfer of this permit shall be subject to the following:

a. No person shall transfer a permit from one location to another or from one piece of equipment to another.

b. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.

c. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.

(9 VAC 5-80-110 and 9 VAC 5-80-160)

107. **General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-110, 9 VAC 5-80-190 C, and 9 VAC 5-80-260)

108. **General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-110 and 9 VAC 5-80-80 E)

109. **General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(9 VAC 5-80-110 and 40 CFR Part 82)

110. **General Conditions - Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110)

111. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(9 VAC 5-80-110 and 40 CFR Part 68)

112. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110)

113. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

    a. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

b. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

c. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110)